



120 Valley Court
 Oak Ridge, TN 37830
 Ph: 865-482-5717
 FAX: 865-482-1281
 zypcoatings.com

Y Aerosol

Convenient Aerosol Can of Yttrium Oxide (Y₂O₃)

Y Aerosol is a fast-drying, solvent-based, easy-to-use aerosol spray can that allows easy application of Yttrium Oxide to most any substrate for use in any atmosphere. The aerosol can provides the great properties of Y₂O₃ in an easy-to-use manner – low electrical conductivity; low thermal conductivity; superior high-temperature stability with molten metals, glasses, slags, and salts. Also usable as an inert barrier for reactions, diffusion bonding, brazing etc.



Key Attributes

Anti-stick/Anti-reaction

- Reactive Metal Melting/Casting: crucible or mold coatings
- Hot-Pressing
- Reactive Glass Melting/Forming
- Weld Spatter

High-temperature Barrier Coating

- Hot-pressing
- Diffusion Bonding
- Sintering

High-temperature Lubrication

Ideal Use

- Superplastic Forming Lubricant
- Braze Stop-Off (with Titanium and others)

Use Notes

1. Clean surfaces to be painted of any oils dirt, scale, etc.
2. Shake can until mixing ball is heard & for 1 minute more.
3. Hold can 6 to 12 inches from surface & apply thin/uniform coating using even movements.
4. Allow to dry for 1 to 2 minutes and respray as needed.

Safety Information

- Consult MSDS before use.
- Avoid breathing of vapors.
- For Industrial use only.

Specifications

Active Ingredient	Y ₂ O ₃
Max Use Temperature	
Air/Inert/Vac, without C present	3450 F / 1900 C
Vac, with C present	2730 F / 1500 C
Use Atmosphere	All
Fired Composition (Air@700 C)	98% Y ₂ O ₃
Liquid Carrier	Ethyl Alcohol/Acetone
Gas Propellant	Propane/Butane
Binder Phase	Magnesium Silicate
Color	White
Shelf Life (months)	>12
Coverage (ft ² /aerosol-can)	30-50
H F R Ratings	2-4-0
Substrate Use	All
Other:	Nearly water insoluble after drying

Sizes and colors

Product is white:
 will gray out on first heat up to 700 C due to small amount of organic binder

Standard Size: 13 oz. (369 grams) can
 Can be purchased as bulk paint with the same formula as Y-Aerosol-Brushable.

ZYP Coatings, Inc. (ZYP) makes no warranties, express or implied, including the warranty of merchantability or fitness for a particular service. Product is for industrial/commercial use only. Users should determine suitability for their use. In no event will ZYP be liable for any direct, indirect, incidental, special or consequential damages or losses including, but not limited to loss of profits, in any way related to this product regardless of the legal theory asserted.